



Ammunition Management Integrating Acquisition and Logistics

**NDIA
Munitions Executive Summit
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Ammunition

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Commander
Joint Munitions Command



Bottom-Line Up Front



- **PEO Ammunition Established 2 Years Ago**
- **The Joint Munitions Command and PEO Ammunition Have Establish Clear Lines of Authority and Responsibility.**
- **Ammunition Enterprise Concept Working Well**
- **The Ammunition Enterprise Continues to Engage the Army Staff and Other Services to Ensure Customer Needs and Expectations are Understood**
- **The Ammunition Enterprise has Addressed Critical Needs and is Poised to Focus on Long Term Strategic Challenges**
- **Ammo Performed Well in Current Conflicts, We are Addressing Observations and Lessons learned for Continuous Improvement**



PEO Ammo Organization



PEO Ammunition
 BG Paul Izzo PEO
 Mr. Kevin Fahey DPEO



**Washington, D.C.
 Liaison Team**



Industrial Base
 Mr. Matt Zimmerman
 APEO Industrial Base



Close Combat Systems
 Mr. Jim Sutton PM



Combat Ammo Systems - Indirect Fire
 COL Nate Sledge PM



Maneuver Ammo System - Direct Fire
 Mr. Bill Sanville PM



Joint Services
 COL Jeff Gwilliam PM

Networked Munitions / Munitions / Countermeasures

Demolitions / Non Lethal

Mortars

Excalibur

Large Caliber

Medium & Small Caliber

DEMIL



Ammunition Enterprise



➤ **Mission:**

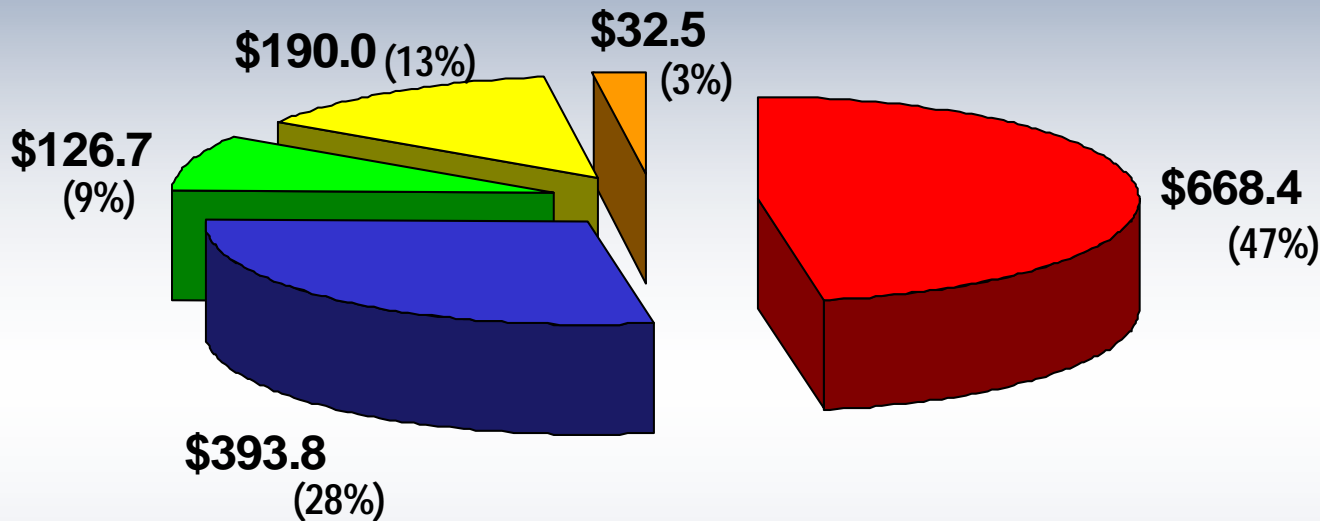
- ✓ Single Manager for Conventional Ammunition
- ✓ Life Cycle Acquisition Management of Ammunition

➤ **Key Objectives:**

- ✓ Unify and Integrate Ammunition Management Under One Single Chain of Command
- ✓ Develop a Unified Munitions Acquisition Strategy
- ✓ Identify and Optimize Key Business Processes
- ✓ Develop an Overarching Industrial Base Strategy (Organic and Commercial)
- ✓ Provide Integrated Supply Chain Management of the Ammunition Production Base



FY 04 PEO Ammo PAA, OPA, WTCV Total



Total: \$1.4B
 * Other Service Funding=\$673M

Source: FY05 BES

PM Combat Ammunition Systems

- Artillery Ammunition
- Artillery Fuze
- Mortar

PM Joint Services

- Industrial Base
- Demil
- APE

PM Maneuver Ammunition Systems

- Large Caliber
- Medium Caliber
- Small Caliber

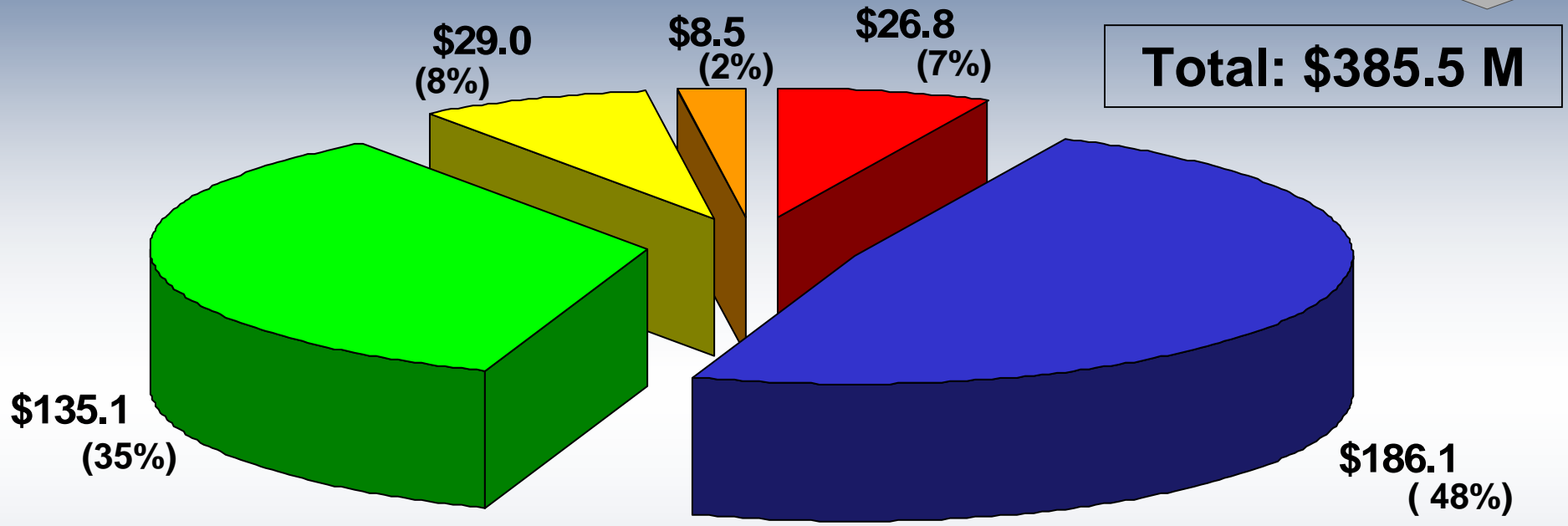
PM Close Combat Systems

- Mines, Countermine & Demolition

PEO Ammo



FY 04 PEO-Ammo RDTE



- PM Combat Ammunition Systems
- PM Joint Services
- PM Maneuver Ammunition Systems
- PM Close Combat Systems
- PEO Ammo

Source: FY05 BES



Ammunition Enterprise Definition



- **The Ammunition Enterprise is the Integration of People, Infra-structure and Processes Required for Ammunition Life Cycle Management to Support the Warfighter**



Enterprise Management Philosophy



- Promote Best Value Acquisitions
- Utilize Disciplined Processes
- Implement Six Sigma and Lean Design/Production
- Promote Continuous Process Improvement and Technology Insertion
- Promote Commonality and Interoperability
- Promote Spiral or Evolutionary System Development

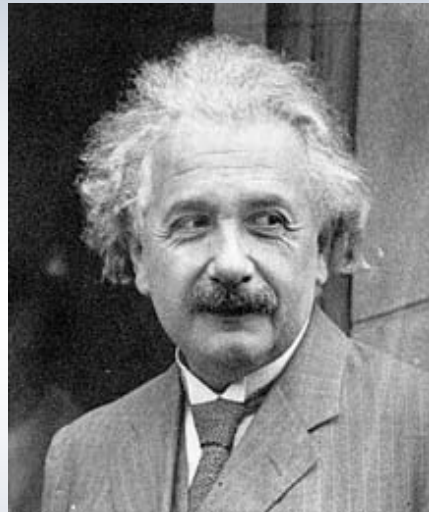
Put Eyeballs On – “Trust, but Verify”



Enterprise Excellence



We cannot solve our problems with the same thinking we used when we created them.



Ammunition Transformation and implementation is dependent upon new technologies, new management skills and new decision making processes.



PM MAS: OEF/OIF Observation Summary



120mm Tank Ammunition

➤ **BLUF:** Overall the ammunition performed as advertised or better in the eyes of the armor community.

✓ “Pretty much anything we fired killed whatever target we shot.”

SFC Cornell 4-64 AR Master Gunner

✓ “One story of an M1 engaging a T-72 stopped on the road at about 2000m broadside and popping the turret on it and an adjacent tank.”

SGT Coultry 3-69 AR





PM MAS: OEF/OIF Observation Summary



Medium Caliber Ammunition

25mm:

- M919 provided excellent penetration capability versus APCs and trucks.

40mm:

- Soldiers stated the M203 Grenade Launcher and Ammo was lightweight, compact, simple to use and effective firepower.





PM MAS: OEF/OIF Observation Summary



Small Caliber Ammunition

.50 Cal:

- A large number of soldiers commented that the M2 machine gun is "...the best weapon in the Army."

7.62mm:

- The 7.62mm machine guns were the most widely used weapons for tanks.
 - ✓ "Ammunition and weapon systems performed very well."

5.56mm:

- Most soldiers considered the M16 weapon series to be very accurate regardless of the version or sighting system.

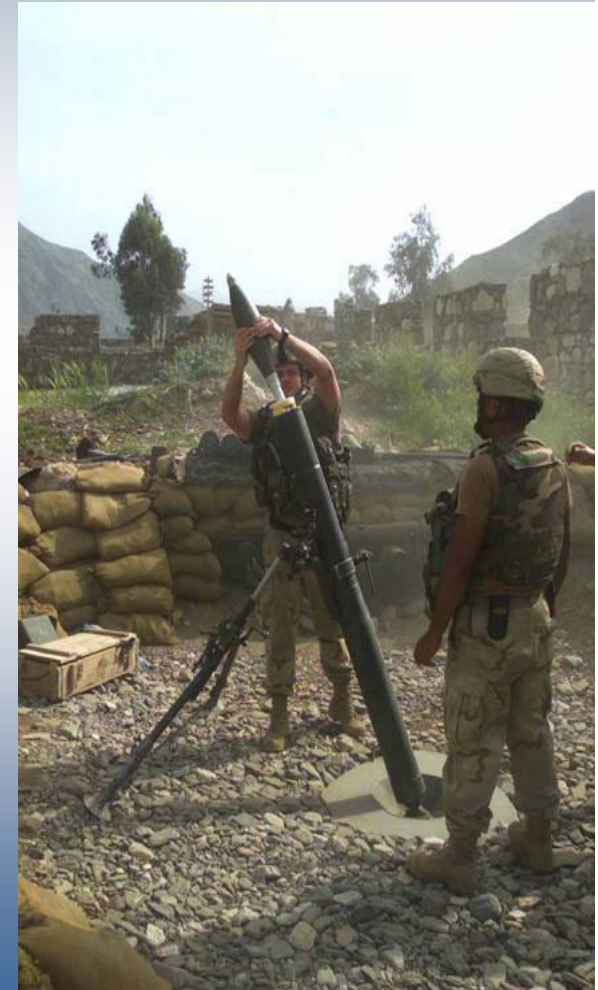




PM CAS: OEF/OIF Observation Summary



- **Ground Fire SPT was Most Responsive, Most Available, and Most Adaptive**
- **Preferred munitions: HE(VT), SFMs, & Mortars**
- **Suppression Still Required for Most Dangerous Targets (MDTs)**
- **Greater Precision Needed to Enable Friendly Forces to Develop Situations Out of Contact**





PM CCS: OEF/OIF Observation Summary



**"SMAW-D Is An Awesome Weapon!"
"My Only Regret Is That We Could Not Carry Enough Of Them!"**
– *NCO 10th Mountain Division, Oct 03*



"Bottom Line is that our new equipment works well and the Non-Lethal Sets kept us from having to kill someone as well."
LTC Brown, Battalion Commander, Bn 709th (Task Force Falcon Provost Marshall)



Countermine Equipment in SWA



RG-31



MINE
BOOTS



BERM SIFTER



FLAIR

Buffalo (MPV)

“B41 was asked to extract 3 people from a mine line, used the new Buffalo, no one was hurt during the extraction”

Richard Rader, ManTech

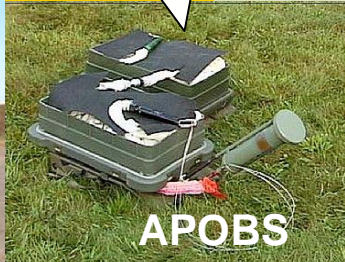


NEI

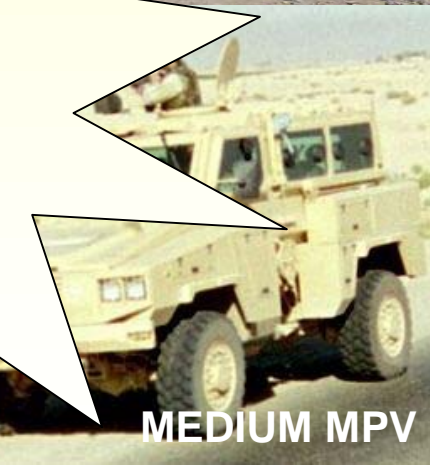
MINEL
F1A4



HEAVY MPV



APOBS



MEDIUM MPV



MEDIUM FLAIL



BUFFALO (MPV)



IVMMD

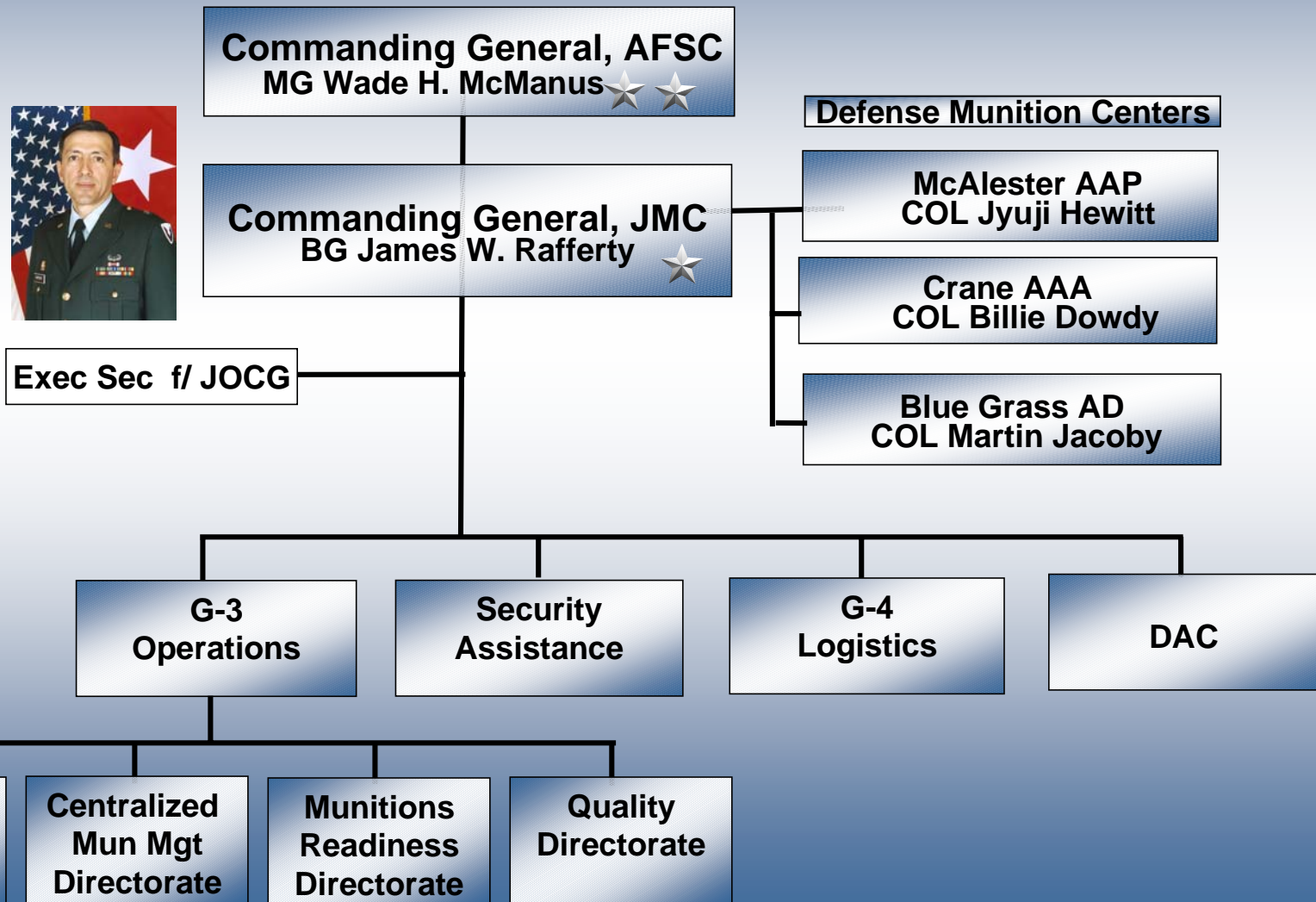


The Ammunition Enterprise Joint Munitions Command





Ammunition Enterprise Joint Munitions Command





Ammunition Enterprise Responsibilities



Memorandum of Understanding signed 30 Jan 04

MISSION	LEAD	SUPPORT
ACQUISITION		
RDT & E	PEO-AMMO	JMC
Acquisition Strategy	PEO-AMMO	JMC
Hardware Production	PEO-AMMO	JMC
Components for Renovation (Maint Spt)	PEO-AMMO	JMC
APE (Maint Spt)	PEO-AMMO	JMC
PAA Program / Budget / Receive Funding	PEO-AMMO	JMC
Industrial Base	Co-Lead	
LOGISTICS / SUSTAINMENT		
Receipt / Issue	JMC	PEO-AMMO
Storage / Distribution Management	JMC	PEO-AMMO
Inventory / Accountability	JMC	PEO-AMMO
Safety / Security	JMC	PEO-AMMO
Quality Assurance (ASRP / Surveillance)	JMC	PEO-AMMO
Maintenance	JMC	PEO-AMMO
Demilitarization/ Disposal	PEO AMMO	JMC
Transportation	JMC	PEO-AMMO
OMA Program / Budget / Receive Funding	JMC	PEO-AMMO

KEY TO ENTERPRISE: INTEGRATION AND SYNCHRONIZATION



Ammunition Enterprise

Not Just Army... A Joint Collaborative Effort



JOCG

**Joint Logistics
Commanders**

**PEO
Ammunition**

**SMCA Executor
Industrial Base
Acquisition & Procurement
RDT&E
PA Program**

**Oversee & Assess
Plan & Execute
Synchronize & Integrate
Continuous Dialogue**

**Joint Munitions
Command**

**SMCA
Field Operating Agency
Industrial Base
Logistics & Sustainment
Readiness Reporting
OMA Program**

EDCA

Army....The Single Manager for Conventional Ammunition (SMCA)



Enterprise Excellence Collaborative System Environment



Web Applications
Desktop Video
Electronic File Sharing

An illustration showing four business professionals (two men in suits and two women in business attire) pushing a large, heavy orange block across a brown, uneven terrain. The block is being pushed from both sides, and the scene is framed by a jagged, starburst-like border. The background is white with blue and orange geometric shapes.

Establish IT infrastructure for Ammunition

Interoperable

Integrated

Consistent_

Collaborative Environment

Maximum innovation, flexibility and support



Strategic Focus Future Ammo Perspective



➤ **Smarter, Smaller, More Lethal, More Accurate, Automation Friendly, Cost Effective**

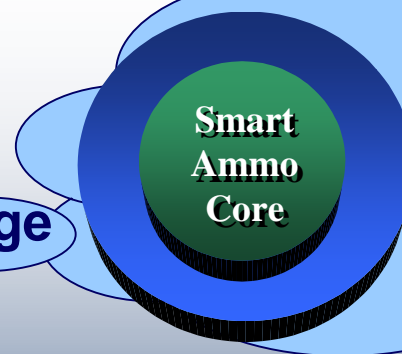
- ✓ Vehicles Smaller, Less Storage
- ✓ Logistics is Key Element
- ✓ Insensitivity is critical

➤ **Future Ammunition with State-of-the-Art Technologies**

- ✓ Precision Engagements
- ✓ Extended Range
- ✓ Reduced Collateral Damage
- ✓ Increased Survivability
- ✓ Reduced Logistics Footprint

➤ **Maximum Commonality of Munitions**

- ✓ Anticipate limited quantity of “smart” ammo support by larger quantity of “competent” ammo



**Army Cannot Afford
All Smart Ammo**

**Supporting “Competent”
Conventional Ammo**



Summary – The Ammunition Enterprise is ...



- Supporting Current Operations/Planning Future
- Improving Ammunition Life-Cycle Practices
- Focused, Well-Trained Workforce
- Leveraging World Class Capabilities & Technologies
- Vital to the development of products for the Future Joint Force

